



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Amardeep Singh,  
Quan V. Nguyen, and  
Sujian Huang

§ GROUP ART UNIT: 3672

SERIAL NO.: 10/081,275

§ EXAMINER: H. C. Dang

FILED: February 21, 2002

FOR: Hydro-Lifter Rock Bit with  
PDC Inserts

**RESPONSE TO OFFICE ACTION DATED JUNE 1, 2004**

Att'y. Dkt. No.: 1030-20003

Clt. Ref. O. 99-STR22

Date: June 17, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In an Office Action dated June 1, 2004, the Examiner requested arguments pointing out the specific distinctions why claims 85-96 are patentable.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 17 of this paper.



1FD 3672

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

JUN 21 2004

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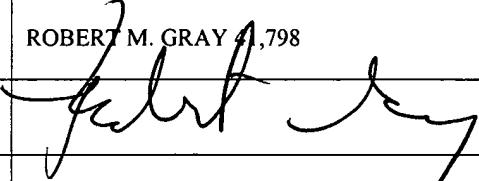
*(to be used for all correspondence after initial filing)*

		Application Number	10/081,275
		Filing Date	February 21, 2003
		First Named Inventor	Amardeep Singh
		Art Unit	3672
		Examiner Name	H. Dang
Total Number of Pages in This Submission		Attorney Docket Number	1030-20003

### ENCLOSURES *(check all that apply)*

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i>
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below): acknowledgement postcard</i>
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<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s)	
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<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Or Individual Name	ROBERT M. GRAY 41,798
Signature	
Date	June 17, 2004

### CERTIFICATE OF TRANSMISSION/MAILING

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Typed or Printed Name	Sandra K. Begley	Date	June 17, 2004
Signature			

12848.01/1030.20003

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JUN 2

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# FEE TRANSMITTAL For FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** \$ 00.00**Complete if Known**

Application Number	10/081,275
Filing Date	February 21, 2003
First Named Inventor	Amardeep Singh
Examiner Name	H. Dang
Art Unit	372
Attorney Docket No.	1030-20003 BMG

**METHOD OF PAYMENT (Check all that apply).**

Check  Credit Card  Money  Other  None  
Order

 Deposit Account:

Deposit Account Number: 03-2769

Deposit Account Name: Conley Rose, P.C.

**The Director is authorized to:** (check all that apply)

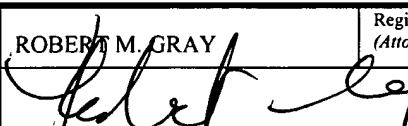
Charge fee(s) indicated below  
 Charge any additional fee(s) during the pendency of this application  
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 to the above-identified deposit account  
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**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Fee Code (\$)	Fee Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	\$		
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	\$		
1053 130	1053 130	Non-English specification	\$		
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	\$		
18042 920*	1804 920*	Requesting publication of SIR prior to Examiner action	\$		
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	\$		
1251 110	2251 55	Extension for reply within first month	\$		
1252 420	2252 210	Extension for reply within second month	\$		
1253 950	2253 475	Extension for reply within third month	\$		
1254 1,480	2254 740	Extension for reply within fourth month	\$		
1255 2,010	2255 1,005	Extension for reply within fifth month	\$		
1401 330	2401 165	Notice of Appeal	\$		
1402 330	2402 165	Filing a brief in support of an appeal	\$		
1403 280	2403 140	Request for oral hearing	\$		
1451 1,510	1452 1,510	Petition to institute a public use proceeding	\$		
1452 110	2452 55	Petition to revive - unavoidable	\$		
1453 1,330	2453 665	Petition to revive - unintentional	\$		
1501 1,330	2501 665	Utility issue fee (or reissue)	\$		
1502 480	2502 240	Design issue fee	\$		
1503 640	2503 320	Plant issue fee	\$		
1460 130	1460 130	Petitions to the Commissioner	\$		
1807 50	1806 50	Processing fee under 37 CFR 1.17(g)	\$		
123 50	123 50	Petitions related to provisional applications	\$		
1806 180	1806 180	Submission of Information Disclosure Stmt	\$		
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	\$		
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1810 770	2810 385	For each additional invention to be examined (37 CFR § 1.129(b))	\$		
1801 770	2801 385	Request for Continued Examination (RCE)	\$		
1802 900	1802 900	Request for expedited examination of a design application	\$		
Other fee (specify)					\$

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) \$00.00****SUBMITTED BY****Complete (if applicable)**

Name (Print/Type)	ROBERT M. GRAY	Registration No. (Attorney/Agent)	41,798	Telephone	(713) 238-8000
Signature			Date	June 17, 2004	

128483.01/1030.20003

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